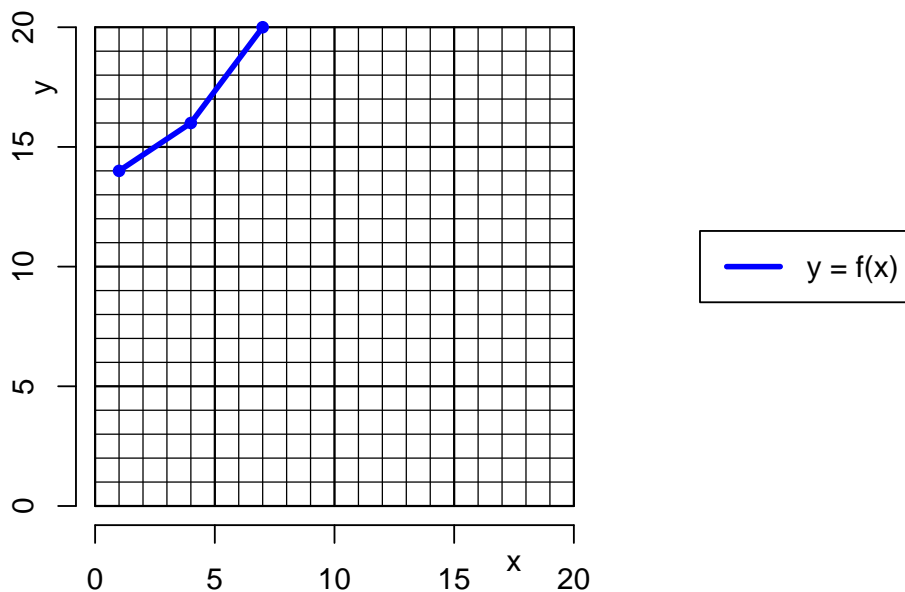# PCW_09_18 Find new points after transformation (version 37)

Question 1

Curve $y = f(x)$ contains points $(1, 14)$ and $(4, 16)$ and $(7, 20)$, as shown on the x-y plane below.
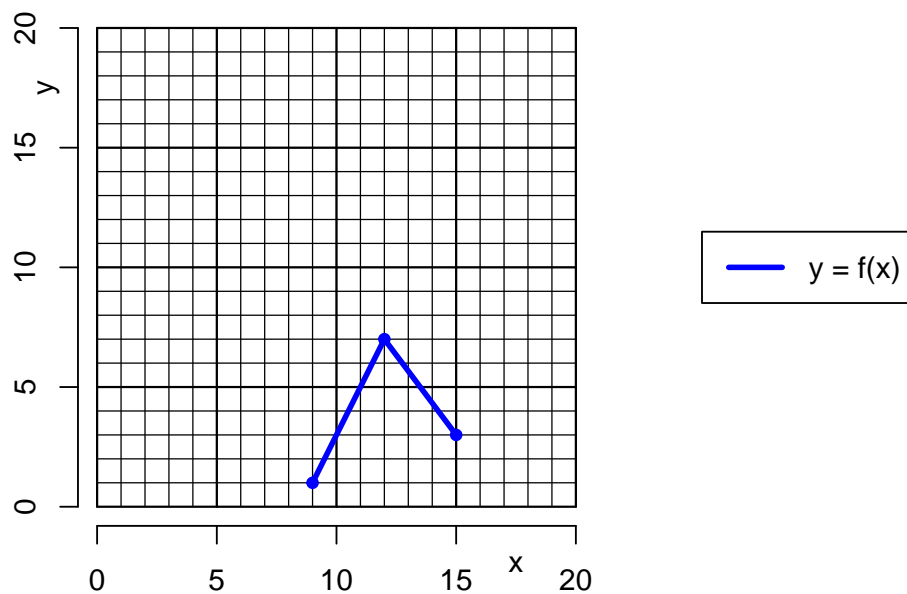

On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f\left[\frac{x}{3} + 1\right] - 6}{2}$$

Question 2

Curve $y = f(x)$ contains points $(9, 1)$ and $(12, 7)$ and $(15, 3)$, as shown on the x-y plane below.

On the same plane, please draw the curve represented by the equation below:

$$y = 2\left(f[3x - 6] - 1\right)$$